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Progress of Development in Arizona and Sonora.

An era of great activity is operative in a comparatively new section of Magdalena district, Sonora, that the outside mining world has as yet heard comparatively little of. It is so close to Nogales, too, as to be tributary to this town, and already quantities of supplies have been purchased here. The work of denouncing claims in this section has been going on quietly during the past three or four months, but it is only recently that the value of the mineral deposits has been given publicity in the measure that it deserves.

The center of the new country is in and near the Pinto mountains, twelve miles east of Casita, a station on the Sonora railway twenty-seven miles south of Nogales. In Cocospa cañon a waterway draining the mountains, the gravel is heavily impregnated with gold and the hills as far as they have been prospected are heavily seamed with rich gold quartz.

Ely & Co., of San Francisco, have taken up several claims. Mr. Ely was the locator of the old Ely & Raymond mine of Nevada.

Two valuable properties of Dr. W. F. Chenoweth and Jesse Grant is in the same belt; as is also La Calera, which Dr. Cowan of Tucson recently sold to Messrs. Chase, Hargrove and Carothers. Another claim, Oro Bonito No. 1, owned by Hays, Brooke & Kosterlitzky, has been bonded to Denver people. C. W. Hays, for his company has taken up a large area of quartz and timber property extending from Cocospa cañon up into the Pinto mountains, twelve miles northwest of the Oro Bonito No. 1.

This property is extensively worked. It is not for sale, but in a letter written recently by Mr. Hays to his partners in Denver, and which THE VIDETTE is permitted to reproduce, one will get a fair idea of the value of the new country. Mr. Hays says plenty of ground still remains subject to denouncement:

LOCATION.—These mines are located in the Magdalena Mining District, about thirty-five miles from Nogales, Arizona, and about twelve miles from the Sonora railway, and amid mountains covered with a heavy growth of large pine timber. At present the nearest railroad station is Casita, about twelve miles from the Independent and Oro Bonito mines, or Hays-Brooke camp.

ACCESSIBILITY.—A fine mountain wagon road is being constructed, and is now completed to within two miles of the Sonora railway. Within ten days it will be finished to a point on the line of the railway, about two miles south of Casita station, where the railroad company has agreed to lay a special switch. The total cost of constructing this wagon road, from the mine to the railroad, will be about \$8,000, all expended by the present owners of the mines and timber locations.

FREIGHT.—To and from the mines over this road will cost about five Mexican dollars per ton of 2,000 lbs., or, roughly speaking, \$2.50 American money.

WATER.—There is plenty of water for all mining and milling purposes.

FORMATION.—The general formation of the country is porphyry. The large pine-covered mountain range dips to the northeast, as does the sister range of the Canaques. This indicates that the valley is an immense fissure, or "cooling crack." Being myself a mining man, and having made different explorations of the Cripple Creek district, in Colorado, I firmly believe that this district, rich in gold-bearing quartz, is similar to the famous district above named, or, plainly speaking, "a cooling crack" from the volcanic eruptions of the Canaques,—in the same way that the Cripple Creek mining district is from Pike's Peak,—as it is generally known that the lower portions of those famous mining districts contain the mineral values.

PLACERS.—The quartz veins are late discoveries, and are not "old Aztec workings." They are the source of the ancient placer known as "the Caspica placer," where the old mission still stands with walls erect, but with the roof fallen in from long exposure to winds and storms. There were several "massacres" of the Spaniards by the Indians many years since. The Spaniards worked the large valleys, "placering" all the way to the heavy timber near to the mines known as the Independent and the Oro Bonito. They stopped at the timber, where they were always in danger of being ambushed by the Indians. This placer is still worked every year by the natives with good results.

DENOUNCEMENTS OF MINERAL LANDS IN SONORA.

Official Report of Latest Claims Filed with Mineral Agents, Throughout The State.

In the following table is given the official report of the mineral agents of Sonora to Hon. A. D. Ainslie, Attorney General of the State, and filed for record in the legal department of the state, at Hermosillo.

LOCATOR.	NAME OF CLAIM.	PERCENTS.	DISTRICT.
R. J. Boyd	Copper King	100	Moctezuma
Jose Teran	El Pinanto	3	Moctezuma
William Schuster	Copper Lady	20	Moctezuma
Dr. G. S. Hall	E. Babiso	10	Moctezuma
Felipe Colombo	Orizaba	10	Moctezuma
J. E. Bickerton, M. Cohen	Roma	10	Moctezuma
Edward L. Mahoney, et al	Utopia	21	Moctezuma
John Crosson	La Providencia	12	Moctezuma
"	Texas	20	Moctezuma
"	Olympia	20	Moctezuma
"	All Right	10	Moctezuma
Manuel Vazquez	Catalina	10	Moctezuma
G. F. Woodward	Saner Kraut	36	Moctezuma
J. A. Kruse, et al	Ext. Santa Margarita	500	Moctezuma
H. Bustamante	Bello Cuerpo	24	Moctezuma
Pedro Landia	Chicago	10	Moctezuma
E. U. Beauchamp	Nono	500	Moctezuma
Francisco Yañez	Campo Vista	9	Moctezuma
Luis Killeen	La Reina de Sonora	100	Ures
"	La Cocinera	10	Ures
Ricardo Moreno	El Pilar	100	Ures
Manuel Cota	El Refugio	20	Ures
"	La Sorpresa	30	Ures
"	El Destino	20	Ures
Juan P. Robinson	La Estrella	10	Ures
M. Marchebont	Olympia	20	Guaymas
Cirilo Ramirez	La Escondida	3000	Guaymas
Alfredo Cano	La Reina de Cobre	2	Alamos
Ignacio Figueroa	Baja California	2	Alamos
Genobio Esquer	None	9	Alamos
Carlos Durieux	La Lista Blanca	8	Altar
Wm. Schuster	Alemania	100	Sahuaripa
John D. Crisp	Ext. 1. Mina Verde	8	Magdalena
S. H. Pearce	Santa Amelia	40	Magdalena
Antonio Acuña	Enriqueza	77	Arizpe
"	Enriqueza	57	Arizpe
O. A. Navarro	La Cobarza	10	Arizpe
Henry Ayres	Chicago	12	Arizpe
M. P. Wright, D. M. Phillips	La Sanguinea	10	Arizpe
"	Cerro Gordo	20	Arizpe
D. Phillips, E. A. Sweetser	San Carlos	16	Arizpe
Miguel Loustaunau	Alonso	6	Hermosillo
G. Dominguez	El Promontorio	12	Hermosillo
D. R. Oliver	El Monitor	6	Hermosillo
"	The Frenchman	6	Hermosillo
Mrs. A. Yanez	Santa Fe	10	Hermosillo

ORE VALUES.—The ore in these veins is free milling quartz, averaging from twelve to fifty-two dollars per ton. It has never been assayed as to the entire values. The Oro Bonito vein runs north-easterly and south-westerly. It is only a prospect, with three ten-foot holes, all running the same in gold, and no difference in values. No streaks in this vein. The lowest assay which can be obtained is \$38.00 gold, taking an average; this means an average of three feet, ten inches. Can not tell the width of this vein for it is undeveloped; also have the extension taken up.

THE INDEPENDENTE No. 1.—Lies near the Oro Bonito, and is the pride of the camp. Not much work is done on it. There is a twenty-foot shaft which averages ten feet across, twelve dollars, free milling. But the last two feet of work shows wonderful results; what is commonly called a "knife-blade" streak comes in, worth \$1,100 per ton. In sinking two feet, it widened to twelve inches. This streak is like the ore of the famous Independence mine, at Victor, Colorado.

Now there are other mines, almost the same, which belong to the Hays-Brooke people, which I will describe only briefly. In connection with these, there is Independiente No. 2. This mine or prospect is a wonder, on the surface the general average in free gold being \$39.00. This shows for itself, being from four to fifteen feet. The shaft No. 2 is now down fifty feet and will go to 200 feet before we erect.

MILL.—There will soon be erected a quartz mill on the ground of Independiente No. 2. In connection with this, there is one league of land valuable for its timber, belonging to this same mine, and on which a sawmill is now being erected.

ESTIMATED VALUE.—Finally, there are three Oro Bonitos, two Independientes, four leagues of land of heavy saw timber (besides the first mentioned league of timber land,) and the Independiente No. 2. But, possibly they can all be connected, which would make a property worth five millions of dollars, in cash, if properly handled.

TIMBER.—The timber is a soft pine, and expert saw-mill men say that there is 30,000,000 feet of saw timber, without including the vast quantity of shingles which can be cut, and the cord-wood, cross-ties, and round timber for telegraph poles, etc., etc. This lumber is worth, in the State of Sonora, about \$80 per thousand feet.

Yours Respectfully,
C. W. HAYS.

Casita, Sonora, Mex., Oct. 13, 1899.

After reading carefully the above I find same to be correct.

EMILIO KOSTERLITZKY,
Lieutenant Colonel of Cavalry.

Arizona—

Many old prospectors are familiar with recent changes in laws covering locations of claims. The following however, may be of interest to new comers: Every notice of location of a lode mining claim shall contain: First, the name of the claim located; second, the name of the locator; third, the date of location; fourth, the number of feet in length of said claim, and the number of feet claimed on each side of the center of the discovery shaft, lengthwise of the claim; fifth, the general course of the lode, deposit or premises located; sixth, the locality of the claim with reference to some natural object, or permanent, that will identify the claim; and shall be filed with the county recorder for record within ninety (90) days after same shall have been located.

Before filing such location certificate with the county recorder of the proper county, the discoverer shall locate his lode claim: First, sinking a discovery shaft upon the premises so claimed, to a depth of at least ten feet from the lowest part of the rim of said shaft at the surface, and deeper if necessary, until there is shown by such work a lode deposit or mineral in place; second, by posting at the point of discovery on the surface, a plain sign, or notice substantially conforming to the location certificate; third, by marking such claim or premises on the ground so that its boundaries can be readily traced.

Thomas J. Kelly of Chicago has concluded a sale of 10 mining claims and a mill and water site in the Oro Blanco district for the sum of \$90,000 to the Arizona Hydraulic Mining Co. The purchaser will install placer and quartz machinery and work the property on a large scale.

Mining locations filed for record with the recorder of Santa Cruz county since the organization of the county last March number 155 to date. Of these Albert Steinfeld of Tucson has filed 29 on property in the Tyndall district, and Gen. M. H. Sherman of Los Angeles has taken up five claims.

Mexico—

During last week five cars loaded with rich ore were shipped from Ortiz station consigned to the El Paso smelting Co., at El Paso, Texas. Three cars were shipped by the L. A. Dora Mining company and two by Francisco Flores.

The Santa Barbara mine, situated near Querobaba, and the property of Jose Lacarra, Jr., has been purchased by Eugenio Gayou of Nogales, Sonora, for \$12,000 silver. Very shortly a 20-stamp mill will be erected for the treatment of the ore.

The International Co-operative Mining company of Los Angeles, California, and Sonora, Mexico, has recently loaded at Ortiz station, twenty large freight wagons with mining machinery

for a large placer plant to be erected near Saguai Grande. This is a new company recently organized and has some very good lands containing gold and other metals. Accompanying the machinery are two engineers, one a civil and the other a mechanical, who will install the machinery.

The Bonancita Mining company, of Bonancita, Sonora, has en route from San Francisco, California, two five-foot Huntington mills and a 60 horse power Putnam engine, which will be installed at the company's mines as soon as possible. V. M. F. Wilson, superintendent of the mines has in contemplation the erection of a ten stamp modern gold mill in addition to the Huntington mills. Mr. Wilson passed through Nogales this week on his way to the mines.

ARIZONA AT A GLANCE.

Wood is selling here \$5.50 per cord. In the winter it will doubtless advance to \$7 as usual and in cases of a few days of continuous bad weather it may go higher.—Bisbee Orb.

Banker Dray of Los Angeles, is the owner of thirty three shares out of seventy-five in the Buckeye canal. These Los Angeles financiers know a thing when they see it, and the Buckeye is one of the best in the country.—Gazette.

J. M. Kilgore and J. H. Sterling of Williams, says the Williams News, after a divorce of two years, have again united under the old firm name of Kilgore & Sterling. They have purchased 5,000 sheep and leased township 21—which embraces all of Garland Prairie, near Chandler.

In the case of the territory of Arizona vs. George Smiley, charged with murder, the defendant refused counsel and pleaded guilty to murder in the first degree, says the Holbrook Argus. The court thereupon heard evidence to determine the extent of punishment to be imposed. On Friday at 9:30 a. m. Judge Sloan affixed the death penalty to the offense and sentenced Smiley to be executed according to law on Friday, December 10, 1899.

Rev. W. D. Johnson, of the African Methodist church, is a recent arrival from Albuquerque to establish a church of that denomination in Prescott. Rev. Johnson carries credentials vouching for his being all that he represents himself to be. Prescott now has sufficient of a colored population to constitute a considerable congregation, if the Rev. Johnson can succeed in getting them to come in. This he proposes to try to do.—Courier.

Col. Epes Randolph, superintendent of the Arizona division of the Southern Pacific, arrived Monday evening in his private car. He was accompanied by C. C. Schroufe, resident engineer at Tucson, and I. McAvoy, assistant engineer. Col. Randolph and Wm. Garland, president of the G. V. & N. R. Co., started from here Tuesday morning by buckboard for the north, expecting to go as far as Payson, and possibly to Jerome. The purpose of the trip is to get an idea of the resources and topography of the country, with a view of the possible extension of the G. V. & N. railroad into the Tonto country.—Silver Belt.

Death of Mrs. M. A. Smith.

The Star regrets to announce the death of Mrs. Smith, wife of Hon. Mark A. Smith of our city. Death occurred early yesterday (Monday) morning at the family residence on Stone avenue after a serious illness of several weeks. Mrs. Smith has been an invalid for several years and more than once she had been near death's door.

The deceased was a native Californian of 1863. She came with her parents and family to Tombstone in the early days of the prosperity of the silver camp. Her family name was Rathburn. In 1886 she married Hon. Mark A. Smith and was a strong and encouraging help-mate during his entire public career as well as a true and loving wife. During their sojourn at the national capital the deceased was accepted as one of the popular and attractive ladies of official circles and was much beloved by all who knew her in the capital city as well as throughout the territory. The funeral services will be held this morning at the family residence on North Stone avenue at 10:30 Rev. Ferguson officiating. The bereaved husband will receive the sincere sympathy of the people of the territory.—Star.

THE VIDETTE extends heartfelt sympathy to Hon. Mark A. Smith, in his great sorrow.

Mexican mining laws in English 50 cents at THE VIDETTE.